



# Electronic Filing System (EFS) Data

## Electronic Patent Application Submission

### USPTO Use Only

EFS ID: 50800  
Application ID: 10604404 

Title of Invention: LOW-DELTA P PURIFIER FOR  
NITROGEN, METHANE, AND  
ARGON REMOVAL FROM SYNGAS

First Named Inventor: Avinash Malhotra

Domestic/Foreign Application: Domestic Application

Filing Date: 2003-07-17

Effective Receipt Date: 2003-11-18

Submission Type: Information Disclosure Statement

Filing Type:

Confirmation number: 1403

Attorney Docket Number: 02-0707KEL106

Total Fees Authorized: 180.0

Payment Category: Deposit Account

Deposit Account Number: 110400

Deposit Account Name: Daniel N. Lundeen

Access Code: \*\*\*\*

RAM Payment Status: RAM success

RAM User ID: EFSPROD

RAM Accounting Date: 2003-11-18

RAM Sequence Number: 19

Digital Certificate Holder: cn=Daniel N. Lundeen,ou=Registered Attorneys,ou=Patent and  
Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US  
Certificate Message Digest: 2f67dd51aca6cf00287ea308bdfe2a80d6e2ada



## TRANSMITTAL

Electronic Version v1.1  
Stylesheet Version v1.1.0

Title of Invention	LOW-DELTA P PURIFIER FOR NITROGEN, METHANE, AND ARGON REMOVAL FROM SYNGAS
Application Number:	10/604404
Date:	2003-07-17
First Named Applicant:	Mr. Avinash Malhotra
Confirmation Number:	1403
Attorney Docket Number:	02-0707KEL106

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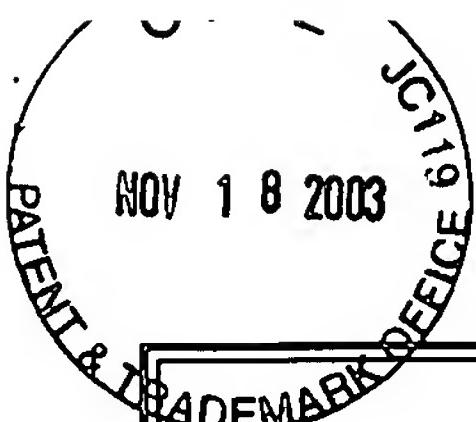
I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Submitted by:	Elec. Sign.	Sign. Capacity
Mr. Daniel N. Lundeen Registered Number: 31177	/s/	Attorney

Documents being submitted	Files
us-fee-sheet	KEL-106IDS-usfees.xml us-fee-sheet.xls us-fee-sheet.dtd
us-ids	KEL-106IDS-usidst.xml us-ids.dtd us-ids.xls



Comments



## FEE TRANSMITTAL

Electronic Version v08  
Stylesheet Version v08.0

Title of  
Invention

LOW-DELTA P PURIFIER FOR NITROGEN, METHANE, AND  
ARGON REMOVAL FROM SYNGAS

Application Number: 10/604404



Date: 2003-07-17

First Named Applicant: Mr. Avinash Malhotra

Attorney Docket Number: 02-0707KEL106

Art Unit: 1754

### TOTAL FEE AUTHORIZED \$180

Patent fees are subject to annual revisions on or about October 1st of each year.

#### BASIC FILING FEE

Fee Description	Fee Code	Amount \$	Fee Paid \$
Submission Of Information Disclosure Stmt Fee	1806	180	180

#### AUTHORIZED BILLING INFORMATION

The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit account number: 110400

Access Code \*\*\*\*

Deposit name: Kellogg Brown and Root, Inc.

Deposit authorized name: Daniel N. Lundeen

Signature: /s/

Date (YYYYMMDD): 2003-11-18

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.



## FEE TRANSMITTAL

Electronic Version v08  
Stylesheet Version v08.0

Title of Invention	LOW-DELTA P PURIFIER FOR NITROGEN, METHANE, AND ARGON REMOVAL FROM SYNGAS		
Application Number:	10/604404		
Date:	2003-07-17		
First Named Applicant:	Mr. Avinash Malhotra		
Attorney Docket Number:	02-0707KEL106		
Art Unit:	1754		
<b>TOTAL FEE AUTHORIZED \$180</b>			
Patent fees are subject to annual revisions on or about October 1st of each year.			
<b>BASIC FILING FEE</b>			
Fee Description	Fee Code	Amount \$	Fee Paid \$
Submission Of Information Disclosure Stmt Fee	1806	180	180
<b>AUTHORIZED BILLING INFORMATION</b>			
The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:			
Deposit account number:	110400		
Access Code	****		
Deposit name:	Kellogg Brown and Root, Inc.		
Deposit authorized name:	Daniel N. Lundeen		
Signature:	/s/		
Date (YYYYMMDD):	2003-11-18		
Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.			



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0

Title of Invention	LOW-DELTA P PURIFIER FOR NITROGEN, METHANE, AND ARGON REMOVAL FROM SYNGAS						
Application Number:	10/604404 						
Confirmation Number:	1403						
First Named Applicant:	Avinash Malhotra						
Attorney Docket Number:	02-0707KEL106						
Art Unit:	1754						
Search string:	( 3422613 or 4568530 or 4681745 or 5180570 ).pn.						
<b>US Patent Documents</b>							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3422613	1969-01-21	Grotz		57	34
	2	4568530	1986-02-04	Mandelik et al		423	359
	3	4681745	1987-07-21	Pinto		423	359
	4	5180570	1993-01-19	Lee et al		423	359
<b>Signature</b>							
Examiner Name					Date		